

FIG. 2

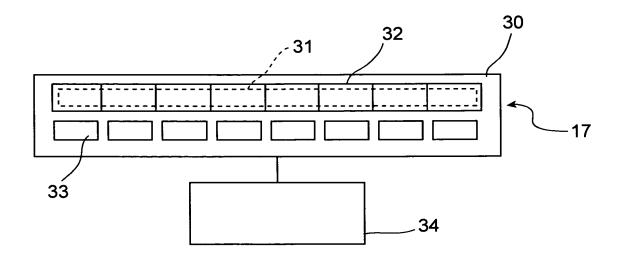


FIG. 3

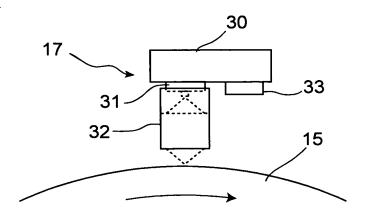


FIG. 4



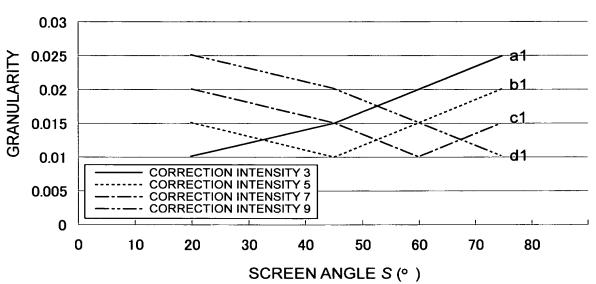


FIG. 5

# RELATIONSHIP BETWEEN SENSITIVITY OF PHOTOCONDUCTOR AND GRANULARITY IN DIFFERENT CORRECTION INTENSITIES

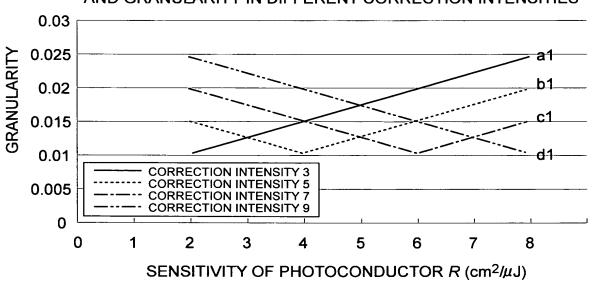


FIG. 6

# RELATIONSHIP BETWEEN SURFACE TEMPERATURE OF PHOTOCONDUCTOR AND GRANULARITY IN DIFFERENT CORRECTION INTENSITIES

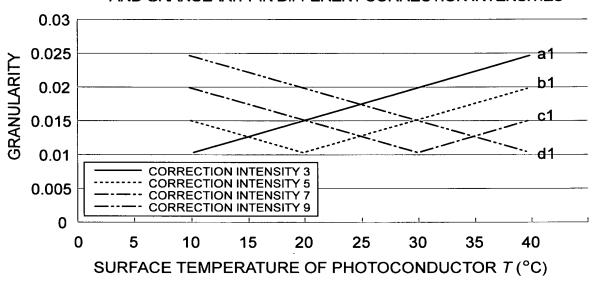


FIG. 7

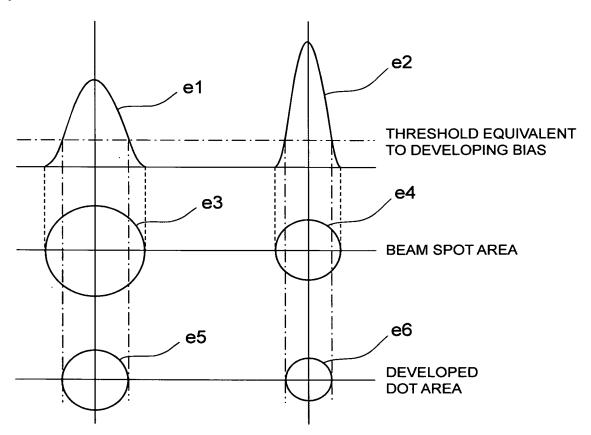
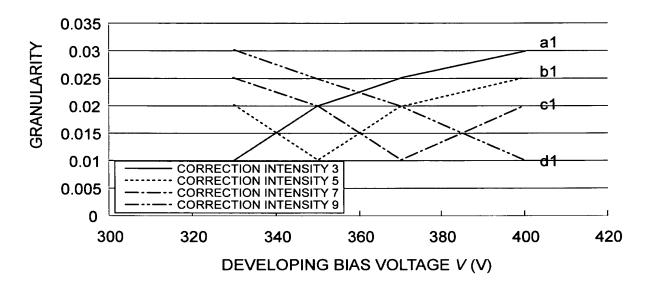
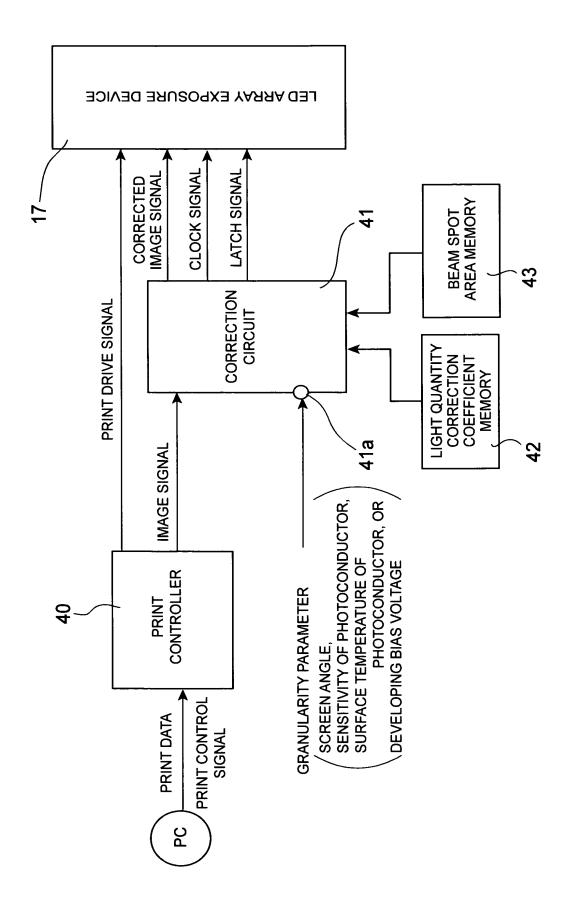


FIG. 8

### RELATIONSHIP BETWEEN DEVELOPING BIAS VOLTAGE AND GRANULARITY IN DIFFERENT CORRECTION INTENSITIES





ડ	PIXEL		-	2	8	4	5
	GRANULARITY PARAMETER						
	-SCREEN ANGLE	S			°06		
S2	-SENSITIVITY OF PHOTOCONDUCTOR	~			4 cm²/µJ		
	-SURFACE TEMPERATURE	<b>-</b>	; ; ; ; ; ; ; ; ; ; ; ; ; ;	1	30°C	. 4	
	-DEVELOPING BIAS VOLTAGE	>			320V		
SS	LIGHT QUANTITY CORRECTION COEFFICIENT		1.1	0.8	1.5	0.0	1
S4	BEAM SPOT AREA	А	10	8	15	5	12
S5	AVERAGE OF BEAM SPOT AREAS	M			10		
98	DIFFERENCE (M-A)	D	0	2	-5	5	-2
22	RATIO(D/M)	Ь	0	0.2	-0.5	0.5	-0.2
88	BEAM SPOT AREA CORRECTION COEFFICIENT	В	ASSIGNING V	ASSIGNING WEIGHT TO RATIO (P) FOR EACH PIXEI	IO (P) FOR EA	CH PIXEL	
88	CORRECTION COEFFICIENT	ပ	BEAM SPOT /	BEAM SPOT AREA CORRECTION COEFFICIENT (B) X CORRECTION COEFFICIENT FOR SCREEN ANGLE (S) FOR EACH PIXEL	TION COEFFICI ANGLE (S) FOI	IENT (B) X COR	RECTION
S10	DRIVING CURRENT FOR LIGHT-EMITTING ELEMENT	н	STANDARD D COEFFICIENT	STANDARD DRIVING CURRENT X LIGHT QUANTITY CORRECTION COEFFICIENT (L) X CORRECTION COEFFICIENT (C) FOR EACH PIXEI	ENT X LIGHT QUETION COEFFIC	JANTITY CORF IENT (C) FOR I	RECTION EACH PIXEL

S21	PIXEL	c	-	2	က	4	2	9	7	80	တ	Z
	GRANULARITY PARAMETER											
	-SCREEN ANGLE	တ	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; ; ; ;			ීලි	1				
822	-SENSITIVITY OF PHOTOCONDUCTOR	~					4 cm²/µJ	ر <sub>با</sub> /:				
	-SURFACE TEMPERATURE	<b>—</b>					30°C	O				
	-EVELOPING BIAS VOLTAGE	^		: : : : :	! ! ! !		320V	>	 	; ; ; ; ;		
823	LIGHT QUANTITY CORRECTION COEFFICIENT	٦	1.1	0.8	1.5	0.9	1	0.5	1.2	1.3	0.5	:
824	BEAM SPOT AREA	A	10	8	15	5	12	14	9	6	10	:
S25-1	S25-1 MOVING AVERAGE OF BEAM SPOT AREAS	M1			10							
S25-2		M2				10.8						
S25-3		M3					10.4					
\$25-4		M4						9.5				
S25-5		M5							10.2			
S26	DIFFERENCE (M-A)	٥	0	2.8	4.6	4.2	-1.8	I				
S27	RATIO(D/M)	Д	0	0.26	-0.44	0.46	-0.18	:	:			
828	BEAM SPOT AREA CORRECTION COEFFICIENT	В	ASSIG	NING W	EIGHT.	FO RATI	ASSIGNING WEIGHT TO RATIO (P) FOR EACH PIXEL	R EACH	PIXEL			
829	CORRECTION COEFFICIENT	ပ	BEAM	SPOT A	REA CC FOR SC	RRECT	BEAM SPOT AREA CORRECTION COEFFICIENT (B) X CORRECTION COEFFICIENT FOR SCREEN ANGLE (S) FOR EACH PIXEL	FFICIEN 3) FOR E	NT (B) X EACH PI	CORRE XEL	CTION	
830	DRIVING CURRENT FOR LIGHT-EMITTING ELEMENT	I	STANI	DARD DI	RIVING (L) X C(	CURREI	STANDARD DRIVING CURRENT X LIGHT QUANTITY CORRECTION COEFFICIENT (C) FOR EACH PIXEL	HT QUAI EFFICIEI	NTITY C NT (C) F	ORRECTOR EAC	TION H PIXEL	

FIG. 12A PRIOR ART

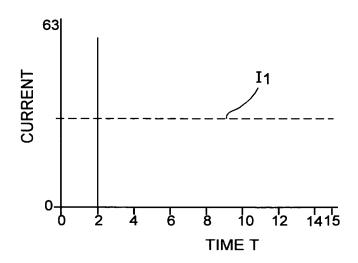
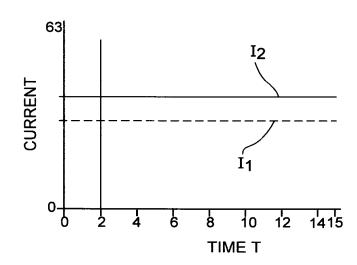


FIG. 12B PRIOR ART



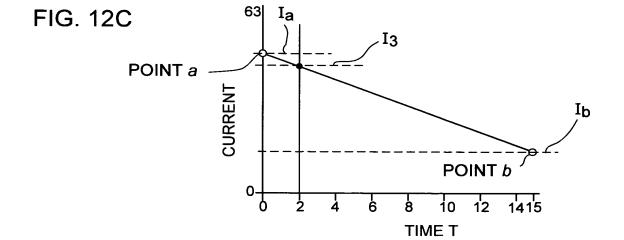


FIG. 13A



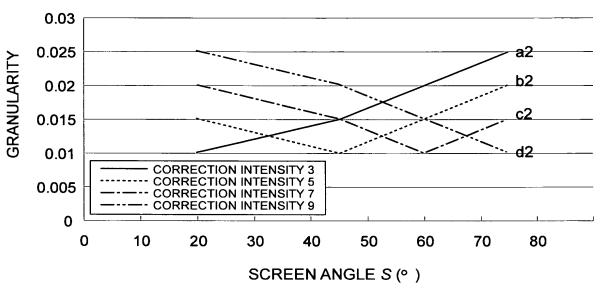
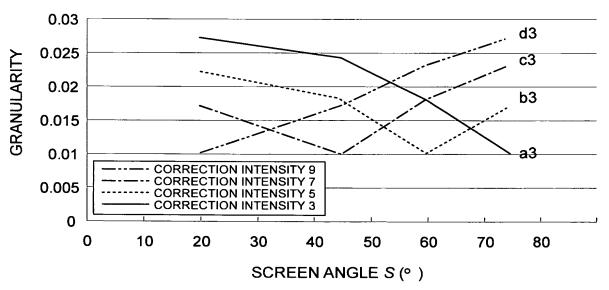


FIG. 13B

# RELATIONSHIP BETWEEN SCREEN ANGLE AND GRANULARITY IN LOW GRAY LEVEL IN DIFFERENT CORRECTION INTENSITIES



**FIG. 14A** 

### RELATIONSHIP BETWEEN SENSITIVITY OF PHOTOCONDUCTOR AND GRANULARITY IN HIGH GRAY LEVEL IN DIFFERENT CORRECTION INTENSITIES

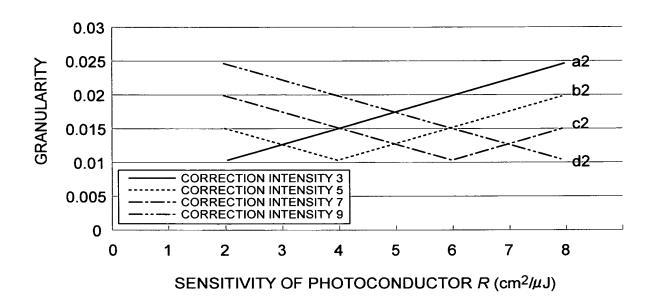


FIG. 14B

# RELATIONSHIP BETWEEN SENSITIVITY OF PHOTOCONDUCTOR AND GRANULARITY IN LOW GRAY LEVEL IN DIFFERENT CORRECTION INTENSITIES

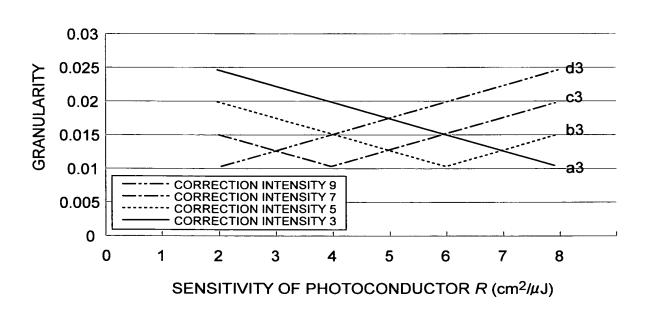


FIG. 15A

RELATIONSHIP BETWEEN SURFACE TEMPERATURE OF PHOTOCONDUCTOR AND GRANULARITY IN HIGH GRAY LEVEL IN DIFFERENT CORRECTION INTENSITIES

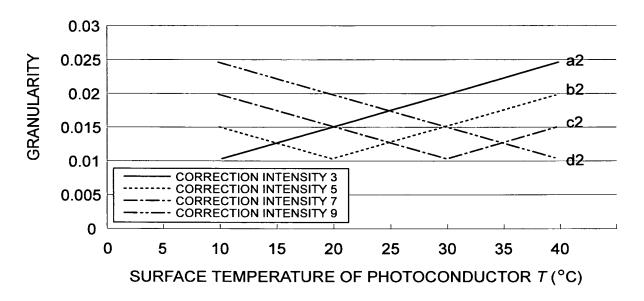


FIG. 15B

RELATIONSHIP BETWEEN SURFACE TEMPERATURE OF PHOTOCONDUCTOR AND GRANULARITY IN LOW GRAY LEVEL IN DIFFERENT CORRECTION INTENSITIES

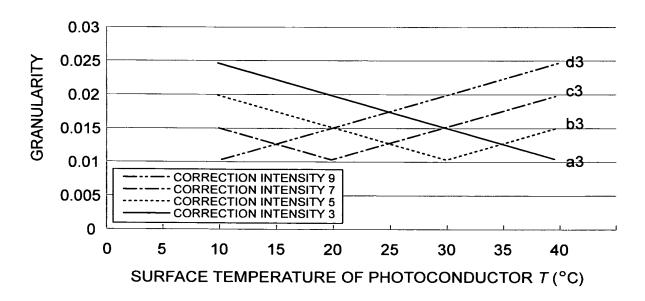


FIG. 16A

#### RELATIONSHIP BETWEEN DEVELOPING BIAS VOLTAGE AND GRANULARITY IN HIGH GRAY LEVEL IN DIFFERENT CORRECTION INTENSITIES

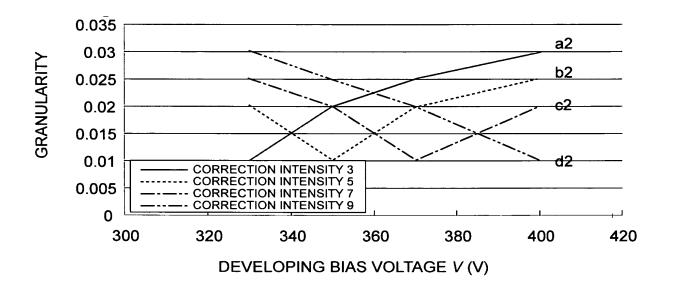
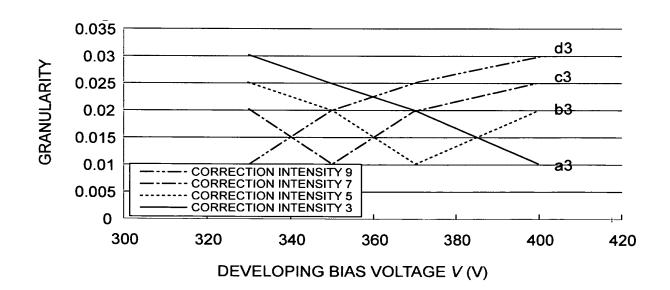
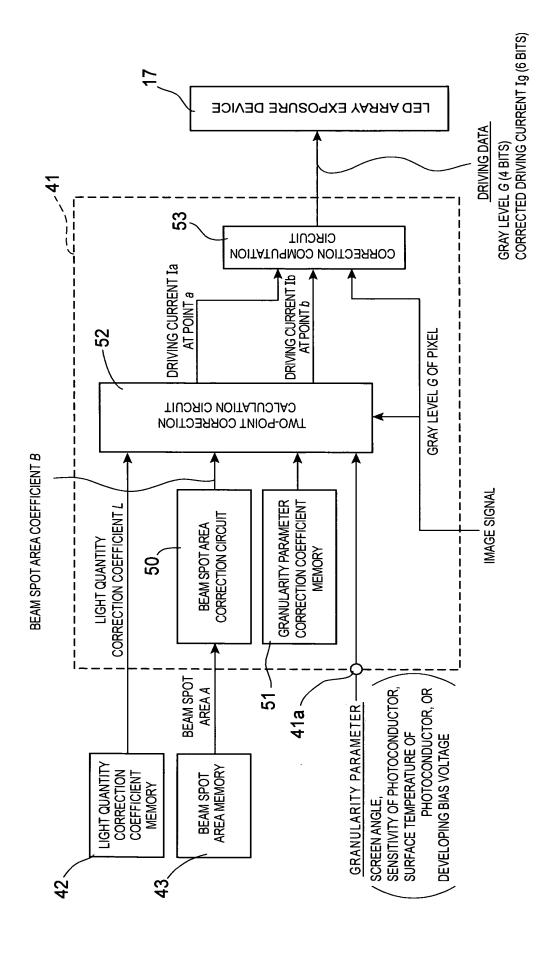


FIG. 16B

#### RELATIONSHIP BETWEEN DEVELOPING BIAS VOLTAGE AND GRANULARITY IN LOW GRAY LEVEL IN DIFFERENT CORRECTION INTENSITIES





S41	PIXEL	c		2	က	4	5
S42	GRAY LEVEL OF PIXEL	ව	5	2	7	10	4
	GRANULARITY PARAMETER						
9	-SCREEN ANGLE	S	4 4 5 4 1 1 1 1 1 1	f t t t t t t t t t t t t t t t t t t t	°06		
043 2	-SENSITIVITY OF PHOTOCONDUCTOR	œ	1		4 cm²/µJ		
	-SURFACE TEMPERATURE	⊢			30°C		
	-DEVELOPING BIAS VOLTAGE	>			320V		
S44	LIGHT QUANTITY CORRECTION COEFFICIENT	L	1.1	0.8	1.5	6:0	7
S45	BEAM SPOT AREA	А	10	8	15	9	12
S46	AVERAGE OF BEAM SPOT AREAS	Σ			10		
S47	DIFFERENCE (M-A)	О	0	2	-5	9	-2
S48	RATIO(D/M)	Р	0	0.2	-0.5	0.5	-0.2
849	BEAM SPOT AREA CORRECTION COEFFICIENT	В	ASSIGNING \	ASSIGNING WEIGHT TO RATIO (P)	(F)		
S50-1	CORRECTION COEFFICIENT AT POINT a	Ca	BEAM SPOT COEFFICIEN	AREA CORREC T FOR SCREEN	CTION COEFFI N ANGLE (S) IN	BEAM SPOT AREA CORRECTION COEFFICIENT (B) X CORRECTION COEFFICIENT FOR SCREEN ANGLE (S) IN LOW GRAY LEVEL	DRRECTION EVEL
S50-2	CORRECTION COEFFICIENT AT POINT b	СЬ	BEAM SPOT COEFFICIEN	AREA CORREC T FOR SCREE	CTION COEFFI N ANGLE (S) IN	BEAM SPOT AREA CORRECTION COEFFICIENT (B) X CORRECTION COEFFICIENT FOR SCREEN ANGLE (S) IN HIGH GRAY LEVEL	DRRECTION EVEL
S51-1	DRIVING CURRENT AT POINT a	Ia	STANDARD [ COEFFICIEN	DRIVING CURR T (L) X CORRE	ENT X LIGHT CTION COEFF	STANDARD DRIVING CURRENT X LIGHT QUANTITY CORRECTION COEFFICIENT (Ca) AT POINT $a$	RECTION POINT a
S51-2	DRIVING CURRENT AT POINT b	qI	STANDARD I COEFFICIEN	DRIVING CURR T (L) X CORRE	ENT X LIGHT	STANDARD DRIVING CURRENT X LIGHT QUANTITY CORRECTION COEFFICIENT (L) X CORRECTION COEFFICIENT (Cb) AT POINT $\boldsymbol{b}$	RECTION POINT b
S51-3	CORRECTED DRIVING CURRENT	Ig	LIEAR INTER GRAY LEVEL	LIEAR INTERPOLATION FROGRAY LEVEL	OM Ia TO Ib A	LIEAR INTERPOLATION FROM Ia TO Ib ACCORDING TO GRAY LEVEL ${\cal G}$ OF PIXEL	

FIG. 19

S61	PIXEL	ے	-	2	က	4	5	9	7	8	6	Z
S62	GRAY LEVEL OF PIXEL	ပ	5	2	7	10	4	1	14	3	6	:
	GRANULARITY PARAMETER											
Č	-SCREEN ANGLE	တ					° 80					
202	-SENSITIVITY OF PHOTOCONDUCTOR	22					4 cm2/µJ	<u>E</u>				
	-SURFACE TEMPERATURE	⊥					30°C					
	-DEVELOPING BIAS VOLTAGE	>	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	, ; ; ; ; ; ; ;	320V	_				
S64	LIGHT QUANTITY CORRECTION COEFFICIENT	T	1.1	0.8	1.5	6.0	1	0.5	1.2	1.3	0.5	:
S65	BEAM SPOT AREA	Α	10	8	15	2	12	14	9	6	10	:
S66-1	MOVING AVERAGE OF BEAM SPOT AREAS	M1			10							
S66-2		M2				10.8						
S66-3		M3			,		10.4					
S66-4		M4						9.2				-
See-5		M5							10.2			
<b>29</b> S	DIFFERENCE (M-A)	D	0	2.8	-4.6	4.2	-1.8	:				
898	RATIO(D/M)	Ъ	0	0.26	-0.44	0.46	-0.18	:				
698	BEAM SPOT AREA CORRECTION COEFFICIENT	В	ASSIG	NING WE	ASSIGNING WEIGHT TO RATIO (P)	RATIO (P)	_					
S70-1	CORRECTION COEFFICIENT AT POINT a	Ca	BEAM S COEFFI	POT ARE	BEAM SPOT AREA CORRECTION COEFFICIENT (B) X CORRI COEFFICIENT FOR SCREEN ANGLE (S) IN LOW GRAY LEVEI	TION COI	EFFICIEN S) IN LOV		(B) X CORRECTION SRAY LEVEL	N		
S70-2	CORRECTION COEFFICIENT AT POINT b	СЪ	BEAM S COEFFI	POT ARE	BEAM SPOT AREA CORRECTION COEFFICIENT (B) X CORRECTION COEFFICIENT FOR SCREEN ANGLE (S) IN HIGH GRAY LEVEL	TION COI	EFFICIEN S) IN HIG	IT (B) X CC	ORRECTIC EVEL	NC		•
1-178	DRIVING CURRENT AT POINT a	Ia	STAND/ COEFFI	ARD DRIV CIENT (L)	STANDARD DRIVING CURRENT X LIGHT QUANTITY CORRECTION COEFFICIENT (Ca) AT POINT a	ENT X LIG	SHT QUAI	NTITY COF NT (Ca) AT	RECTION POINT a	7		
S71-2	DRIVING CURRENT AT POINT b	qI	STAND/ COEFFI	ARD DRIV CIENT (L)	STANDARD DRIVING CURRENT X LIGHT QUANTITY CORRECTION COEFFICIENT (Cb) AT POINT $b$	ENT X LIG	SHT QUAI	NTITY COF NT (Cb) AT	RRECTION POINT B	7		
S71-3	S71-3 CORRECTED DRIVING CURRENT	Ig	LIEAR II GRAY L	LIEAR INTERPOL GRAY LEVEL G (	LIEAR INTERPOLATION FROM Ia TO Ib ACCORDING TO GRAY LEVEL G OF PIXEL	ОМ Іа ТО	Ib ACCO	RDING TC				

